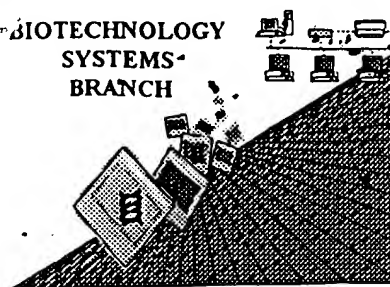


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS-
BRANCH



2590
1115

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/954456

#3

Source:

OIPK

Date Processed by STIC:

11/07/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/954,456

DATE: 11/07/2001

TIME: 15:21:39

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

3 <110> APPLICANT: Young, Paul

5 <120> TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using

Cancer Gene

6 Sets

8 <130> FILE REFERENCE: 689290-76

C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/954,456 *OK*

C--> 10 <141> CURRENT FILING DATE: 2001-09-18

10 <150> PRIOR APPLICATION NUMBER: US/60/233,617

11 <151> PRIOR FILING DATE: 2000-09-18

13 <150> PRIOR APPLICATION NUMBER: US/60/234,052

14 <151> PRIOR FILING DATE: 2000-09-20

16 <150> PRIOR APPLICATION NUMBER: US/60/234,923

17 <151> PRIOR FILING DATE: 2000-09-25

19 <150> PRIOR APPLICATION NUMBER: US/60/235,134

20 <151> PRIOR FILING DATE: 2000-09-25

22 <150> PRIOR APPLICATION NUMBER: US/60/235,637

23 <151> PRIOR FILING DATE: 2000-09-26

25 <150> PRIOR APPLICATION NUMBER: US/60/235,638

26 <151> PRIOR FILING DATE: 2000-09-26

28 <150> PRIOR APPLICATION NUMBER: US/60/235,711

29 <151> PRIOR FILING DATE: 2000-09-27

31 <150> PRIOR APPLICATION NUMBER: US/60/235,720

32 <151> PRIOR FILING DATE: 2000-09-27

34 <150> PRIOR APPLICATION NUMBER: US/60/235,840

35 <151> PRIOR FILING DATE: 2000-09-27

37 <150> PRIOR APPLICATION NUMBER: US/60/235,863

38 <151> PRIOR FILING DATE: 2000-09-27

40 <160> NUMBER OF SEQ ID NOS: 2276

42 <170> SOFTWARE: PatentIn version 3.0

44 <210> SEQ ID NO: 1

45 <211> LENGTH: 118

46 <212> TYPE: DNA

47 <213> ORGANISM: Homo sapiens

49 <400> SEQUENCE: 1

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52 atttttaaaa gacacatata cacaacacaa aacatgtgca gtaaactcaa acacacaa 118

55 <210> SEQ ID NO: 2

56 <211> LENGTH: 427

57 <212> TYPE: DNA

58 <213> ORGANISM: Homo sapiens

60 <220> FEATURE:

61 <221> NAME/KEY: misc_feature

62 <223> OTHER INFORMATION: n=a,t,g or c

65 <400> SEQUENCE: 2

66 atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga acaaataata 60

68 ataacaaata aaataacttt taagaggaca aggcatagaa aataaaaaag gacactaata 120

70 acatttgtaa aagcttgtag tggatgtggt tgccccatt tgtgtgtgtg gttgtgtgtg 180

72 tgtggttgtg tgttggtggc cacagctgag cctctgtcac cagagaaggc tgaggcccaa 240

Does Not Comply
Corrected Diskette Needed*Errors must include
location of unknown in
field 222*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/954,456

DATE: 11/07/2001
TIME: 15:21:39

Input Set : N:\EBONY'S\ES.txt
Output Set: N:\CRF3\11072001\I954456.raw

W--> 74 tggcacacct cagaaacct caccctgagg ctnggacggc tggactcctg agcacaagct 300
76 cccctctgca ccccttgcca gacagtttgt ctccaatttc aaactgacct aaggtcttta 360
78 ctccctggatt ttttgTTTTT aaacctctc ccagccagtc ttcgggaggg catgattaga 420
W--> 80 gaagngg 427
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 412
85 <212> TYPE: DNA
86 <213> ORGANISM: Homo sapiens
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <223> OTHER INFORMATION: n=a,t,g or c
93 <400> SEQUENCE: 3
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W--> 96 ataaaaattca tatttgngt ttggcattat ttantaggt atgatcaaga ccacaaatat 120
98 cttgccataa aaatattcta ctataataat gaaaaaatat atcattacat catcagtgc 180
100 tcgaataaaa tatggtatag atatggcatt ttcaatgaaa gttggaagac acaccacatt 240
W--> 102 tgtactagtc ttaatatagg cacagtaaga agaacagata tttcccnctt tggctagtga 300
W--> 104 tatgcnTTA gggtagttac gctgctgatt atcccagtg agttagtgtt gaggaattc 360
W--> 106 tctttacttg gcccacaaatct gcacttatgg gcaagactgt ggtacaagcc 412
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 462
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <223> OTHER INFORMATION: n=a,t,g or c
119 <400> SEQUENCE: 4
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W--> 122 ccttgagcag cacatctggg tgccctggcc ttcagcgggn agngngtcct ggggtcccag 120
W--> 124 cgcangan gn gggagttccc cttaggagt ctcactttcg gctgggcatt tctgggcttc 180
W--> 126 ctggggggca gatctggccg tgggggcaat ggaggagccn aaaggggcac ctgcccaggc 240
128 tccaaactccc tgccttctcg gtcactgctg ttccctgagt cctcagcagt agcctgaccg 300
130 tagaactggt agatactcac ggccctccag cccttgatct cgcagcggca gaaggggcag 360
W--> 132 gtctgggctg tccgagtgtc gccaggcanc caggcagcag ctgcagaana ggtgcccgca 420
134 cggctcaatc ttcacatcct tgttgctctc agcacagatc tt 462
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 261
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
142 <400> SEQUENCE: 5
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145 cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120
147 ctgctgcgtg gctgctgtga ggctccccat gaatccacgc agtcttcttc ctcactgggtg 180
149 cagttgggtga ggttttctac cctcacagca aagggatcct taactataaa ttcaagggtat 240
151 gcagagaaga ggacagaatc t 261
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 562
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens

unknown must be enumerated
in fields 221, 222 and 223.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/954,456

DATE: 11/07/2001

TIME: 15:21:39

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

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160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: n=a,t,g or c
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W--> 167 tttagcnaaa ggagancaat ctatataccc ttcccttccc caccaaactc acaaaaggag      120
W--> 169 attaaaccct tccaggattg ccatcaagct tcccgagatg gccagggcaa nraaagaatc      180
171 atctctcaac atgttaagaa acggctgcca ttcttaggct ctgggggtga agcagcagca      240
173 ttcccaggac ccaagggcca gagagaggaa aagaaatgac tgtagtgtga caggattcta      300
175 ggatgaacat gtccagtgac tcctgggcat ggcagactag ctcccagaat tctcagggtg      360
177 tgagtaaagg tgggggccct atggctcttc agaggctgct caatagggtca ggggtagggt      420
179 ataggaactg gggatcaggc atgcagggat ggggtggcag aaaaaacgcc tgtggggtta      480
W--> 181 tgctccagac agagcgaccc ccatcanggc taccactac tcaatgacat gtaatgnaca      540
183 gggacagatg ctgagctcct ta      562
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 429
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 7
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194 gagccttggg aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc      120
196 agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcggtggg      180
198 tcagtggcag agggccatgg ttccatggtt aaggaagcgg acgtgcatct tgggtctcaat      240
200 gtcgatcccc tgccagatct tcaggaagtc ctogaagggtg atcccctcgt acacctgatc      300
202 aggtccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg      360
204 agcgagcgga ctcttctctg atgtgagggt ttcccagacag cagctcctcg accactttac      420
206 atttcgagg      429
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210 <211> LENGTH: 348
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <223> OTHER INFORMATION: n=a,t,g or c
219 <400> SEQUENCE: 8
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222 ttcagtgaca tttctagaga aactttttct actcccatag gctcttcaaa gcatggaact      120
224 tttatacaac agaaatgttg acagaaattg ctgtagttta gggttgaagt actgtatgat      180
226 gggcagcaat catgtattaa cttacgaagg ggaaattgaa atatagggac cgaatttggt      240
228 tttatcagtt tccagagtac tgctgccaac ctagacactg atttttcaga gtttgaaatg      300
230 taaatttctt cccgggactt tgattgcaca tgaagctgga ctgcgtta      348
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234 <211> LENGTH: 652
235 <212> TYPE: DNA
236 <213> ORGANISM: Homo sapiens
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <223> OTHER INFORMATION: n=a,t,g or c
243 <400> SEQUENCE: 9

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The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/954,456

DATE: 11/07/2001

TIME: 15:21:39

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

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244 tgacttttgct gatgggtttat taccttaagg aaaagactta cacagagaaa ttgagcaatg      60
246 aaaacccttc acattgagca aacacattcc acgctacaca aatcatgaga aaaatgagaa      120
248 ctgttgtgaa acatgacaga ttgcccaagt gttatttttc ctctattgga aaattctaag      180
250 acgtttcctc atgtgtagtt tttcagtcac aaaaatggca gtaggaatat ttaaataatta      240
252 aatcacagtt tgaaaataga tacatacata catatatata cacacacaga gatacatagt      300
254 tgacttatga ttcccagata tgcagggtta tcattgtgac tgcttgatc aagacaagtt      360
256 tgtaaaaagc agcgacatag ttcaacataa tagtcaggag ctagattact tccctgtaat      420
258 tgctatgcac acacagtaca aggctagcga gattatagac aatctgtctt cgaatctact      480
260 atcttgataa ttctgaatct tttcaagtta aaattgcagc tattgtcagt aagcgccct      540
W--> 262 ataaagggtca ggcctttgan tggggggacga taactngcgt caccaggaga gaggcncggt      600
W--> 264 tcaacttccn ggttccgtct ggcngcggtc acagccggna acctgggtcc cg      652
267 <210> SEQ ID NO: 10
268 <211> LENGTH: 614
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <223> OTHER INFORMATION: n=a,t,g or c
277 <400> SEQUENCE: 10
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280 aaagacttcc aggagcaggc attgaagggt tggcaccctg ggtgagtgtc caaggtcagc      120
282 gagagtcact tgtggagggg acggaagatg acctggctga tctggccagg gatggtgtag      180
W--> 284 aagaccagga ggaggaagac ggtgagcagc accagtagca gcagcaccag ggtngcccag      240
W--> 286 taccgcnca gatgaagaag acaaaggcct tcagcgggtt cacaaccag ttgaaggaag      300
288 ttttggggcg gctgggtttc tccagaaggc tcttggctgc ttccgcccct tccccattgg      360
W--> 290 ccgtttctcg ggcttccttc cacagtcaag caagctcaaa ctcttgctc caacnttgcc      420
W--> 292 cgtgaagaat gtacacattg gcanccatgt ctgtgaactc ccangtcttt ttggccggcc      480
W--> 294 ttcctcctcc tctgctttcg cttcttcttg caagcctgag cctcctgngc ttccgggtcaa      540
W--> 296 gtccttgctc cttaagttna ataacggcaa cagccctcaa ggggggaaga aacagattga      600
W--> 298 ctngccgcg coat      614
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302 <211> LENGTH: 187
303 <212> TYPE: DNA
304 <213> ORGANISM: Homo sapiens
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313 ggaacct      187
316 <210> SEQ ID NO: 12
317 <211> LENGTH: 349
318 <212> TYPE: DNA
319 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 12
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326 cccacatagc cctttccata aaggcgattc ctaagcttaa acacacacaa agctggggct      180
328 gtccctcttg aatcccatgg gaaacaggcc ccaagatcag gggacctgga gtcgggagct      240
330 tgggggtgcag tctgtcact gacaccctct cgaagagcac gcaggggaac ctggctctg      300

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RAW SEQUENCE LISTING

DATE: 11/07/2001

PATENT APPLICATION: US/09/954,456

TIME: 15:21:40

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

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332 gatggagtct ttctgggggat gcccacgtct gtgctgcctg gaaccgggt      349
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336 <211> LENGTH: 476
337 <212> TYPE: DNA
338 <213> ORGANISM: Homo sapiens
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343 cccgcctcct cctcgctggg tagaactaac tctaaaacac caatatctca acactgaacc      120
345 ctcccaaate gcaagagttt tcttttcccc ttctttgttt ttctttttaa gctgattggc      180
347 ttttgtctat ctgtctcttt ccttttcttt ttctgtctct ccccgctgtg gttggggtat      240
349 tttgtggggg tttgtttttt cccctggctg tgctgaggca gcaggctggg tagggtttag      300
351 gactgctcct tgctggtttt ctctttattc atctttttca tcttcatact tcgattctga      360
353 aaccagattt tgacctgccg ctcggtgaga ttgagaaccc gggccacctc ataccgacgg      420
355 tccctggtta aatacatatt gaagagaaac tcttctctca gttccagcgt caggta      476
358 <210> SEQ ID NO: 14
359 <211> LENGTH: 388
360 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
363 <400> SEQUENCE: 14
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366 gcagtgtcag agggcccgct tcagcccaag aatgtgggat ttctctccct attgatcaca      120
368 gtgggtgggt ttcttcagaa aagccccaga ggcagggacc agtgagctcc aagggttagaa      180
370 gttggactgg aaggcttcag tcacatgctg ctttcaagct ttcaggctgg gcaacaagga      240
372 ggagatgcc atgacgtgcc agggctctcc catctgacac cagtgaagtc tggtaagaca      300
374 gcagccgcac gcctgcctct gccaggaggg caatcatggt aggcagcatt gcagggtcag      360
376 aggtctgagt ccggaatagg agcaaggg      388
379 <210> SEQ ID NO: 15
380 <211> LENGTH: 461
381 <212> TYPE: DNA
382 <213> ORGANISM: Homo sapiens
384 <400> SEQUENCE: 15
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387 tgctcgcggg ctgctcgctg acctcgccgg gtgtgaagaa gatccgcagc tccacgcagc      120
389 aagaccgcgc ccgccggacc ccccaggacg acgtgtacct ggacatcacc gatgccttt      180
391 gttttgccat tctctacagc agaccaaaga gtgcatcaaa tgtacattat ttcagcatag      240
393 ataatgaact tgaatatgag aacttctacg cagatttttg accactcaat ctggcaatgg      300
395 ttacagata ttgttgcaag atcaataaga aattaaagtc cattacaatg ttaaggaaga      360
397 aaattgttca ttttactggc tctgatcaga gaaaacaagc aaatgctgcc ttcttgttg      420
399 gatgctacat ggttatatat ttggggagaa ccccgaaaga g      461
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403 <211> LENGTH: 339
404 <212> TYPE: DNA
405 <213> ORGANISM: Homo sapiens
407 <400> SEQUENCE: 16
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410 cttacccaac tctacaatct tgcaaggcgg ttacatcat ctccacttta cagttcaaga      120
412 acaaaaggct cagattcata gcccctgaat agtccctcat agtccctgag ttcataagta      180
414 gtggttatag tacaatctaa gctatttaat tccaaagcca gtgatttttc tggccttgag      240
416 ctataggtcc aaaggctcca acagggccct ccagactcaa tggcagggtg gtgtctgcac      300

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VERIFICATION SUMMARY

DATE: 11/07/2001

PATENT APPLICATION: US/09/954,456

TIME: 15:21:41

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:74 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:94 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:96 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:106 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:122 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:124 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:132 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:167 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:169 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:181 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:220 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:262 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:264 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:278 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:284 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:286 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:290 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:292 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:294 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/954,456

DATE: 11/07/2001

TIME: 15:21:41

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\11072001\I954456.raw

L:296 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:298 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:867 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:955 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:41
L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:2619 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46
L:2619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:2621 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:46
L:2621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:2637 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47
L:2637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:2643 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47
L:2643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:2645 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:47
L:2645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:2663 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:2663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2667 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:2667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2669 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:2669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2671 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:2671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2673 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:2673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:2689 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:2689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2697 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:2697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2699 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:2699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2701 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:49
L:2701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:2719 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50
L:2719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:2721 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:50
L:2721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:3163 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:55
L:3163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:3717 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:60
L:3717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:3768 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:62
L:3768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:3842 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:3842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:3860 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:66

VERIFICATION SUMMARY

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Output Set: N:\CRF3\11072001\I954456.raw

L:3860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:3862 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:66
L:3862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:3864 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:66
L:3864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/954456

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY P

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length. Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.